

Fig. 2. Dose response of the four anthelmintics is shown. Here, the percentage response is obtained by calculating the average centroid velocity of a worm pop- ulation at a certain drug concentration and normalizing it to the velocity from the control experiments with M9 buffer. The EC_{50} (that is, drug concentration where the percentage response is 50%) values obtained from our microfluidic device are as follows: levamisole, 2.23 mM; pyrantel, 107.5 mM; tribendimidine, 4.68 mM; and methyridine, 1672 mM. Each drug concentration is tested on at least three separate chips with one worm per chamber and three chambers per chip.

Ding, X., Njus, Z., Kong, T., Su, W., Ho, C.-M., & Pandey, S. (2023). Effective drug combination for Caenorhabditis elegans nematodes discovered by output-driven feedback system control technique. *Science Advances*, *3*(10), eaao1254. https://www.science.org/doi/10.1126/sciadv.aao1254